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154/01214 A03

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: R. LEVKOVITZ, et al.  
 Serial Number: 09/403,220  
 Filed: December 20, 1999  
 For: DIRECT TOMOGRAPHIC RECONSTRUCTION  
 Art Unit: 2623  
 Examiner: Mehrdad DASTOURI

Honorable Commissioner of Patents and Trademarks  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

## SUMMARY OF SUBSTANCE OF INTERVIEW

Sir:

Further to an interview in the above referenced application, between Examiner Dastouri and the undersigned, on June 9, 2004, the following is a summary of the substance of the interview.

The present application is under final rejection. The final rejection was made by an Examiner who is no longer with the office. Mr. Dastouri is now the Examiner in charge of the examination.

At the interview, the undersigned discussed the reasons given in Applicant's last submission and why the final rejection did not present a true picture of the prior art as it applies to the present claims.

In particular, the prior art does not explicitly teach that individual events or unbinned events are used in the reconstruction. The previous Examiner's reliance on Hasagawa's ability to discern individual nuclear events is misplaced. In fact, Hasagawa utilizes a different metric than "individual events" namely, "photons per unit time." In order to utilize the metric "photons per unit time", it is necessary to collect the photons in groups (binning). Furthermore, the very concept of events per unit time is the antithesis of utilizing individual or unbinned events.

At the interview the undersigned suggested that applicants would consider replacing "radiation events" with "Nuclear events" in the claims, if this would result in allowance. The undersigned has discussed this change with the assignee of the patent application and applicants agree to the change, in order to avoid the expense of an appeal. This would result in amendments

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to claims 1, 10 22, 24, 25, 26, and canceling claims 27 and 28. Independent claims 31 and 33 already are limited to specific types of Nuclear events.

The Examiner is invited to call the undersigned to discuss this case, keeping in mind that the next deadline for filing an Appeal Brief is July 19, 2004.

Respectfully submitted,  
R. LEVKOVITZ, et al.

Paul Fenster  
Paul Fenster  
Reg. No. 33,877

July 7, 2003  
William H. Dippert, Esq.  
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## CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)

Applicant(s): R. LEVKOVITZ et al.

Docket No.

154/01214

Application No.  
09/403,220Filing Date  
December 20, 1999Examiner  
MEHRDAD, DastouriGroup Art Unit  
2623

Invention: DIRECT TOMOGRAPHIC RECONSTRUCTION

I hereby certify that this Summary of Substance of Interview  
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 is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. (703) 872-9306  
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Paul FENSTER, Reg. No. 33,877

(Typed or Printed Name of Person Signing Certificate)Paul Fenster(Signature)

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**TRANSMITTAL LETTER**  
**(General - Patent Pending)**
**Docket No.**  
**154/01214**
**In Re Application Of:** **R. LEVKOVITZ et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/403,220	December 20, 1999	MEHRDAD, Dastouri	44909	2623	6991

**Title:** **DIRECT TOMOGRAPHIC RECONSTRUCTION**
**COMMISSIONER FOR PATENTS:**

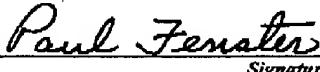
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**Summary of Substance of Interview**

in the above identified application.

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**Paul FENSTER, Reg. No. 33,877**
**Dated: July 7, 2004**

**William H. Dippert, Esq.**  
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